

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/41564

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G09B 19/22
US CL : 434/128; 273/236

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 434/128, 129, 262; 273/236, 242, 243, 249, 302, 308

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | US 5,215,309 A (JOEL) 01 June 1993 (01.06.1993), see entire document. | |
| A | US 6,428,004 B1 (MCQUITTY) 06 August 2002 (06.08.2002), see entire document. | |
| A | US 6,322,076 B1 (FIKKI) 27 November 2001 (27.11.2001), see entire document. | |
| A | US 5,931,469 A (STICHNOTH) 03 August 1999 (03.08.1999), see entire document. | |
| A | US 5,556,100 A (TAYLOR ET AL.) 17 September 1996 (17.09.1996), see entire document. | |
| A | US 5,350,179 A (HILL) 27 September 1994 (27.09.1994), see entire document. | |
| A | US 6,669,196 B1 (WASHKO) 30 December 2003 (30.12.2003), see entire document. | |
| A | US 6,279,908 B1 (HUNSBERGER) 28 August 2001 (28.08.2001), see entire document. | |
| A | US 5,704,611 A (PIERCE) 06 January 1998 (06.01.1998), see entire document. | |

Further documents are listed in the continuation of Box C.

See patent family annex.

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|--|---|-----|--|
| * Special categories of cited documents: | | | |
| "A" | document defining the general state of the art which is not considered to be of particular relevance | "T" | later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "E" | earlier application or patent published on or after the international filing date | "X" | document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" | document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" | document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" | document referring to an oral disclosure, use, exhibition or other means | "&" | document member of the same patent family |
| "P" | document published prior to the international filing date but later than the priority date claimed | | |

Date of the actual completion of the international search

17 March 2005 (17.03.2005)

Date of mailing of the international search report

04 APR 2005

Name and mailing address of the ISA/US

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | US 4,440,396 A (FRUDAKIS) 03 April 1984 (03.04.1984), see entire document. | |
| A | US 4,136,879 A (ANDREW ET AL.) 30 January 1979 (30.01.1979), see entire document. | |